Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Zone Project Division

Name of Work: Modified Estimate for Development and Improvements of Road, Drain and Covering Slabs at Agrahara Layout in Ward No.05

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).								
	Agrahara layout								
	5th Main rd	2	35.00	1.65		115.50			
	4th Main rd	2	18.00	1.65		59.40			
	6th cross rd	2	19.00	1.65		62.70			
	5th cross rd	2	26.00	1.65		85.80			
	4th cross rd	2	26.00	1.65		85.80			
	3rd cross rd	2	26.00	1.65		85.80			
	2nd cross rd	2	26.00	1.65		85.80			
	1st cross rd	2	26.00	1.65		85.80			
	2nd cross rd	2	20.00	1.65		66.00			
	3rd cross rd	2	17.00	1.65		56.10			
	7th cross	2	3.00	1.65		9.90			
	6th main	2	34.00	1.65		112.20			
	13th cross	2	35.00	1.65		115.50			
	2nd main	2	23.00	1.65		75.90			
	1st main, 3rd cross	2	13.00	1.65		42.90			
	1st main, 4th cross	2	19.00	1.65		62.70			
	1st main, 5th cross	2	19.00	1.65		62.70			
	1st main, 6th cross	2	20.00	1.65		66.00			
						1336.50	**Sqm**	**116.85**	**156175.20**
	Quoted rate	116.85							
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	Desilting								
	Agrahara layout								
	5th Main rd	2	151.40	0.60	0.60	109.01			
	4th Main rd	2	79.10	0.60	0.60	56.95			
	6th cross rd	2	83.15	0.60	0.60	59.87			
	5th cross rd	2	115.85	0.60	0.60	83.41			
	4th cross rd	2	114.40	0.60	0.60	82.37			
	3rd cross rd	2	115.90	0.60	0.57	79.28			
	2nd cross rd	2	115.50	0.60	0.55	76.23			
	1st cross rd	2	116.15	0.60	0.55	76.66			
	2nd cross rd	2	87.60	0.60	0.55	57.82			
	3rd cross rd	2	74.20	0.60	0.55	48.97			

Scanned by TapScanner

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	7th cross								
	6th main	2	49.00	0.60	0.55	32.34			
	13th cross	2	145.50	0.60	0.55	96.03			
	2nd main	2	149.50	0.60	0.55	98.67			
	1st main, 3rd cross	2	100.60	0.60	0.55	66.40			
	1st main, 4th cross	2	58.30	0.60	0.55	38.48			
	1st main, 5th cross	2	88.15	0.60	0.55	58.18			
	1st main, 6th cross	2	86.80	0.60	0.55	57.29			
	Culvert	2	87.95	0.60	0.55	58.05			
		7	7.76	2.00	1.20	130.37			
	Quoted rate					**1366.36**	**Cum**	**273.60**	**373840.55**
		273.60							
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. I.No.5.31.1, Page no 27								
	Agrahara layout								
	5th Main rd	2	60.00	1.65		198.00			
	4th Main rd	2	31.00	1.65		102.30			
	6th cross rd	2	33.00	1.65		108.90			
	5th cross rd	2	46.00	1.65		151.80			
	4th cross rd	2	45.00	1.65		148.50			
	3rd cross rd	2	46.00	1.65		151.80			
	2nd cross rd	2	46.00	1.65		151.80			
	1st cross rd	2	46.00	1.65		151.80			
	2nd cross rd	2	35.00	1.65		115.50			
	3rd cross rd	2	30.00	1.65		99.00			
	7th cross	2	19.00	1.65		62.70			
	6th main	2	58.00	1.65		191.40			
	13th cross	2	60.00	1.65		198.00			
	2nd main	2	40.00	1.65		132.00			
	1st main, 3rd cross	2	22.00	1.65		72.60			
	1st main, 4th cross	2	34.00	1.65		112.20			
	1st main, 5th cross	2	34.00	1.65		112.20			
	1st main, 6th cross	2	34.00	1.65		112.20			
						2372.70	**Sqm**	**779.03**	**1848394.52**
	Quoted rate	779.03							
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Agrahara layout								
	Culvert	7	7.76	2.00	0.20	21.73			
						21.73	**Cum**	**5692.45**	**123685.61**
	Quoted rate	5692.45							

Scanned by TapScanner

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13, cement mortar 1:6 KBS 5.1.13 (P.No-25,I No-5.6)								
	Agrahara layout								
	Culvert	14	7.76	0.45	1.00	48.89			
						48.89	**Cum**	**5114.86**	**250055.32**
	Quoted rate	5114.86							
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	For Flagging Course P.C.C								
	Agrahara layout								
	5th Main rd	4	151.40	0.25	0.15	22.71			
	4th Main rd	4	79.10	0.25	0.15	11.87			
	6th cross rd	4	83.15	0.25	0.15	12.47			
	5th cross rd	4	115.85	0.25	0.15	17.38			
	4th cross rd	4	114.40	0.25	0.15	17.16			
	3rd cross rd	4	115.90	0.25	0.15	17.39			
	2nd cross rd	4	115.50	0.25	0.15	17.33			
	1st cross rd	4	116.15	0.25	0.15	17.42			
	2nd cross rd	4	87.60	0.25	0.15	13.14			
	3rd cross rd	4	74.20	0.25	0.15	11.13			
	7th cross	4	49.00	0.25	0.15	7.35			
	6th main	4	145.50	0.25	0.15	21.83			
	13th cross	4	149.50	0.25	0.15	22.43			
	2nd main	4	100.60	0.25	0.15	15.09			
	1st main, 3rd cross	4	58.30	0.25	0.15	8.75			
	1st main, 4th cross	4	88.15	0.25	0.15	13.22			
	1st main, 5th cross	4	86.80	0.25	0.15	13.02			
	1st main, 6th cross	4	87.95	0.25	0.15	13.19			
	For Flagging Course Coping								
	Agrahara layout								
	5th Main rd	4	151.40	0.15	0.10	9.08			
	4th Main rd	4	79.10	0.15	0.10	4.75			
	6th cross rd	4	83.15	0.15	0.10	4.99			
	5th cross rd	4	115.85	0.15	0.10	6.95			
	4th cross rd	4	114.40	0.15	0.10	6.86			
	3rd cross rd	4	115.90	0.15	0.10	6.95			
	2nd cross rd	4	115.50	0.15	0.10	6.93			
	1st cross rd	4	116.15	0.15	0.10	6.97			
	2nd cross rd	4	87.60	0.15	0.10	5.26			
	3rd cross rd	4	74.20	0.15	0.10	4.45			
	7th cross	4	49.00	0.15	0.10	2.94			
	6th main	4	145.50	0.15	0.10	8.73			
	13th cross	4	149.50	0.15	0.10	8.97			

Scanned by TapScanner

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	2nd main								
	1st main, 3rd cross	4	100.60	0.15	0.10	6.04			
	1st main, 4th cross	4	58.30	0.15	0.10	3.50			
	1st main, 5th cross	4	88.15	0.15	0.10	5.29			
	1st main, 6th cross	4	86.80	0.15	0.10	5.21			
	For kerb stone/ Ramp	4	87.95	0.15	0.10	5.28			
	Agrahara layout								
	5th Main rd	2	151.40	0.20	0.10	6.06			
	4th Main rd	2	79.10	0.20	0.10	3.16			
	6th cross rd	2	83.15	0.20	0.10	3.33			
	5th cross rd	2	115.85	0.20	0.10	4.63			
	4th cross rd	2	114.40	0.20	0.10	4.58			
	3rd cross rd	2	115.90	0.20	0.10	4.64			
	2nd cross rd	2	115.50	0.20	0.10	4.62			
	1st cross rd	2	116.15	0.20	0.10	4.65			
	2nd cross rd	2	87.60	0.20	0.10	3.50			
	3rd cross rd	2	74.20	0.20	0.10	2.97			
	7th cross	2	49.00	0.20	0.10	1.96			
	6th main	2	145.50	0.20	0.10	5.82			
	13th cross	2	149.50	0.20	0.10	5.98			
	Culvert Coping	14	7.76	0.45	0.10	4.89			
	Culvert Vent	7	7.76	0.60	0.15	4.89			
						447.67	**Cum**	**6034.11**	**2701279.13**
	Quoted rate	6034.11							
7	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 I.No.5.26.2, Page no 27								
						0.00	**Sqm**	**1070.60**	**0.00**
	Quoted rate	1070.60							
8	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 I.No.5.26.2, Page no 27								
	Flagging Course								
	Agrahara layout								
	5th Main rd	4	151.40		0.20	121.12			
	4th Main rd	4	79.10		0.20	63.28			
	6th cross rd	4	83.15		0.20	66.52			
	5th cross rd	4	115.85		0.20	92.68			
	4th cross rd	4	114.40		0.20	91.52			
	3rd cross rd	4	115.90		0.20	92.72			
	2nd cross rd	4	115.50		0.20	92.40			

Scanned by TapScanner

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	1st cross rd	4	116.15		0.20	92.92			
	2nd cross rd	4	87.60		0.20	70.08			
	3rd cross rd	4	74.20		0.20	59.36			
	7th cross	4	49.00		0.20	39.20			
	6th main	4	145.50		0.20	116.40			
	13th cross	4	149.50		0.20	119.60			
	2nd main	4	100.60		0.20	80.48			
	1st main, 3rd cross	4	58.30		0.20	46.64			
	1st main, 4th cross	4	88.15		0.20	70.52			
	1st main, 5th cross	4	86.80		0.20	69.44			
	1st main, 6th cross	4	87.95		0.20	70.36			
	For double layer	2	427.00		0.20	170.80			
						1626.04	**Sqm**	**1028.31**	**1672079.79**
	Quoted rate	1028.31							
9	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Drain								
	Agrahara layout								
	5th Main rd	2	151.40	0.90		272.52			
	4th Main rd	2	79.10	0.90		142.38			
	6th cross rd	2	83.15	0.90		149.67			
	5th cross rd	2	115.85	0.90		208.53			
	4th cross rd	2	114.40	0.90		205.92			
	3rd cross rd	2	115.90	0.90		208.62			
	2nd cross rd	2	115.50	0.90		207.90			
	1st cross rd	2	116.15	0.90		209.07			
	2nd cross rd	2	87.60	0.90		157.68			
	3rd cross rd	2	74.20	0.90		133.56			
	7th cross	2	49.00	0.90		88.20			
	6th main	2	145.50	0.90		261.90			
	13th cross	2	149.50	0.90		269.10			
	2nd main	2	100.60	0.90		181.08			
	1st main, 3rd cross	2	58.30	0.90		104.94			
	1st main, 4th cross	2	88.15	0.90		158.67			
	1st main, 5th cross	2	86.80	0.90		156.24			
	1st main, 6th cross	2	87.95	0.90		158.31			
	missing slabs	297	0.60	0.90		160.38			
						3434.67	**Sqm**	**2453.62**	**8427362.30**
	Quoted rate	2453.62							
10	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Culvert Vent	7	7.76	1.50		81.48			

Scanned by TapScanner

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Quoted rate	5688.36				**81.48**	**Sqm**	**5688.36**	**463487.43**
11	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. Item No 5.30, Page No.27								
		2	300.00			600.00			
		2	500.00			1000.00			
		2	275.00			550.00			
						2150.00			
						4778.00	**Nos**	**454.06**	**2169502.27**
	Quoted rate	454.06							
12	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. litem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
						0.00	**Sqm**	**89.03**	**0.00**
	Quoted rate	89.03							
								Total Construction Cost	**18185862.10**
								Miscellaneous & Rounding off	**6,464.90**
								Approved Amount	**18192327.00**

Assistant Engineer,

Asst. Exec. Engineer,
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Technical Sanction
Accorded For Rs 18192327-00
Head of A/C..P.3584.....
CER NO :..22A..... Dt:..24.08.2020

[TA] CE (YNK)

Scanned by TapScanner